

CLAIMS

What is claimed is:

- 5 1. A method comprising:
- granting radio network access to a first wireless device operating under shared radio
access data;
- restricting the first wireless device to engage in packet-data communication with a media
management server;
- 10 granting radio network access to a second wireless device operating under the same
shared radio access data; and
- restricting the second wireless device to engage in packet-data communication with the
media management server.
- 15 2. The method of claim 1, wherein the media management server comprises a photo
server.
3. The method of claim 2, wherein the first wireless device is a wirelessly-equipped
digital camera, and the second wireless device is a wirelessly-equipped digital camera.
- 20 4. A method comprising:
- granting radio network access to a first wireless device operating under shared radio
access data and then, in response to first pre-registration data used by the first wireless device,

engaging in a first over-the-air registration of the first wireless device (i) to establish a first user account for the first wireless device with a media management server and (ii) to provision the first wireless device with first post-registration data;

granting radio network access to a second wireless device operating under the same shared radio access data and then, in response to second pre-registration data used by the second wireless device, engaging in a second over-the-air registration of the second wireless device (i) to establish a second user account for the second wireless device with the media management server and (ii) to provision the second wireless device with second post-registration data different than the first post-registration data.

5. The method of claim 4 wherein the shared radio access data comprises a shared mobile identification number/electronic serial number (MIN/ESN) pair.

6. The method of claim 4 further comprising setting a network authentication entity to allow multiple wireless devices to operate concurrently under the same shared radio access data.

7. The method of claim 4, further comprising:
restricting the first wireless device to engage in packet-data communications with the media management server; and

restricting the second wireless device to engage in packet-data communications with the media management server.

8. The method of claim 4, wherein the first pre-registration data comprises a first unique pre-registration identifier and a shared pre-registration identifier, and wherein the second pre-registration data comprises a second unique pre-registration identifier and the shared pre-registration identifier.

9. The method of claim 4, wherein the first post-registration data comprises a first unique post-registration identifier and a shared post-registration identifier, and wherein the second post-registration data comprises a second unique post-registration identifier and the shared post-registration identifier.

10. The method of claim 4,
wherein engaging in the first over-the-air registration comprises sending and receiving web communications between the media management server and the first wireless device, collecting user information for the first user account, and sending the first post-registration data to the first wireless device; and

wherein engaging in the second over-the-air registration comprises sending and receiving web communications between the media management server and the second wireless device, collecting user information for the second user account, and sending the second post-registration data to the first wireless device.

11. The method of claim 4, further comprising:

after provisioning the first wireless device with the first post-registration data, the media management server allowing the first wireless device to uses the first post-registration data in gaining access the first user account; and

5 after provisioning the second wireless device with the second post-registration data, the media management server allowing the second wireless device to uses the second post-registration data in gaining access the second user account.

12. A system comprising:

10 means for granting radio network access to multiple wireless devices operating under common radio access data;

means for granting packet network connectivity to each of the wireless devices;

means for tunneling each of the wireless devices to a network entity;

means for engaging in over-the-air registration of each of the wireless devices with the network entity and establishing for each wireless device a respective online account;

15 means for granting each wireless device access to its respective online account.

13. The system of claim 12, further comprising means for restricting the wireless devices to engage in packet-data communications.

20 14. The system of claim 12, wherein the network entity comprises a media management server.

15. The system of claim 12, wherein the wireless devices comprise wirelessly-equipped digital cameras.

16. The system of claim 12, wherein the means for engaging in over-the-air registration of the multiple wireless devices with a network entity comprises means for sending and receiving communications between the network entity and the wireless devices, collecting user data, and sending post-registration data to the wireless devices.

17. A method comprising:

10 distributing a plurality of wireless devices to users, wherein each wireless device includes shared radio access data that is the same on all of the wireless devices;

receiving into a network from a first of the wireless devices a first radio access request that carries the shared radio access data, and granting radio frequency (RF) connectivity to the first wireless device in response to at least the shared radio access data;

15 receiving into a media management server a first access request from the first wireless device and (i) if the first access request carries pre-registration data, engaging in a registration session with the first wireless device to set up a first user account and to provision the first wireless device with post-registration data and (ii) if the first access request carries post-registration data, engaging in a user session with the first wireless device;

20 receiving into a network from a second of the wireless devices a second radio access request that carries the shared radio access data, and granting RF connectivity to the second wireless device in response to at least the shared radio access data; and

receiving into a media management server a second access request from the second wireless device and (i) if the second access request carries pre-registration data, engaging in a registration session with the second wireless device to set up a second user account and to provision the second wireless device with post-registration data and (ii) if the second access request carries post-registration data, engaging in a user session with the second wireless device.

18. The method of claim 17, wherein the shared radio access data comprises a common mobile identification number and a common electronic serial number.

19. The method of claim 18, wherein the shared radio access data further comprises a common authentication-key (A-key).

20. The method of claim 17, wherein each of the first and second wireless devices comprises a wirelessly-equipped digital camera.

21. The method of claim 17, wherein distributing the plurality of wireless devices comprises selling the plurality of wireless devices.

22. A wirelessly-equipped digital camera comprising:

a processor;

data storage;

a wireless communication interface; and

a user interface,

wherein the data storage contains (i) radio access data and (ii) registration data,

wherein the radio access data comprises a mobile identification number / electronic serial number (MIN/ESN) pair that is the same as a MIN/ESN pair stored as radio access data on at least one other wirelessly-equipped digital camera, and

5 wherein the registration data is selected from the group consisting of (i) pre-registration data usable to gain access to and engage in a registration session with a media management system and (ii) post-registration data usable to gain access to and engage in a user session with the media management system.

10 23. A digital camera registration system comprising:
a radio network access system arranged to grant radio network access concurrently to multiple digital cameras operating under a common mobile identification number (MIN) / electronic serial number (ESN) pair; and

15 a photo management system arranged to engage in web communication with a digital camera and to provision the digital camera with registration data for an online photo storage account.

20 24. A method comprising:
granting radio network access to a first wireless device operating under shared radio access data;

detecting that the first wireless device is using pre-registration data and responsively tunneling a communication from the first wireless device to a registration server, and carrying out a first registration session to establish a first media management account;

granting radio network access to a second wireless device operating under the shared radio access data; and

detecting that the second wireless device is using pre-registration data and responsively tunneling a communication from the second wireless device to the registration server, and
5 carrying out a second registration session with the registration server to establish a second media management account.

25. The method of claim 24, further comprising:

(i) during the first registration session, providing the first wireless device with first post-
10 registration data, and (ii) thereafter detecting that the first wireless device is using the post-registration data and responsively tunneling a communication from the first wireless device to a media management server; and

(i) during the first registration session, providing the first wireless device with first post-registration data, and (ii) thereafter detecting that the first wireless device is using the post-
15 registration data and responsively tunneling a communication from the first wireless device to the media management server.

26. The method of claim 24, further comprising:

during the first registration session, providing the first wireless device with first post-
20 registration data and an address of a first media management server for use by the first wireless device to gain access to the first media management server; and

during the second registration session, providing the second wireless device with second post-registration data and an address of a second media management server for use by the second wireless device to gain access to the second media management server.